District I

1625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

> Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.

Form C-144

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:	X Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
	Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
	Modification to an existing permit
	Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the

1 Operator: ConocoPhillips Company	OGRID#: 217817
Address: PO Box 4289, Farmington, NM 87499	217017
acility or well name: JICARILLA 12	
API Number: 3003922338 OC	CD Permit Number:
J/L or Qtr/Qtr: J Section: 30 Township: 26N	Range: 4W County: Rio Arriba
Center of Proposed Design: Latitude: 36.455059°N I	Longitude: -107.28875°W NAD: X 1927 1983
Surface Owner: Federal State Private XTriba	l Trust or Indian Allotment
String-Reinforced Liner Seams: Welded Factory Other Closed-loop System: Subsection H of 19.15.17.11 NMAC	LLDPE HDPE PVC Other /olume:bbl Dimensions Lx Wx D
notice of intent	Other PVD Other
X Below-grade tank: Subsection I of 19.15.17.11 NMAC	er -inch lift and automatic overflow shut-off X Other Unspecified
Alternative Method:	

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church) Tour foot height, four strands of barbed wire evenly spaced between one and four feet				
X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.				
Netting: Subsection F of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) X Screen Netting Other Monthly inspections (If netting or screening is not physically feasible)				
Signs: Subsection C of 19.15.17.11 NMAC 12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers X Signed in compliance with 19.15.3.103 NMAC				
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval. (Fencing/BGT Liner) Lexception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.				
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.				
Ground water is less than 50 feet below the hottom of the temporary pit, permanent pit, or below-grade tank. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells				
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site		XNo		
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	XNo		
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	□NA			
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applied to permanent pits)	Yes	No		
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	XNA			
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	Yes	XNo		
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.				
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes	XNo		
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes	XNo		
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	XNo		
Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological				
Society; Topographic map Within a 100-year floodplain - FEMA map	Yes	XNo		

 $\approx_{0.01} \pm 1.24$

Temporary Pits, Emergency Pits and Below-grade Tanks Per Instructions: Each of the following items must be attached to the applie	rmit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC cation. Please indicate, by a check mark in the box, that the documents are attached.			
[X] Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC				
Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9				
X Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC				
X Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC				
X Operating and Maintenance Plan - based upon the appropri	riate requirements of 19.15.17.12 NMAC			
Closure Plan (Please complete Boxes 14 through 18, if apple 19.15.17.9 NMAC and 19.15.17.13 NMAC	plicable) - based upon the appropriate requirements of Subsection C of			
Previously Approved Design (attach copy of design)	API or Permit			
12				
Closed-loop Systems Permit Application Attachment Checkl Instructions: Each of the following items must be attached to the applications	lst: Subsection B of 19.15.17.9 NMAC cation. Please indicate, by a check mark in the box, that the documents are attached. e) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9			
Siting Criteria Compliance Demonstrations (only for on-si	ite closure) - based upon the appropriate requirements of 19.15.17.10 NMAC			
Design Plan - based upon the appropriate requirements of	19.15.17.11 NMAC			
Operating and Maintenance Plan - based upon the appropri	riate requirements of 19.15.17.12 NMAC			
Closure Plan (Please complete Boxes 14 through 18, if ap NMAC and 19.15.17.13 NMAC	plicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9			
Previously Approved Design (attach copy of design)	API			
Previously Approved Operating and Maintenance Plan	API			
Permanent Pits Permit Application Checklist: Subsection B	3 of 19 15 17 9 NMAC			
	olication. Please indicate, by a check mark in the box, that the documents are attached.			
Hydrogeologic Report - based upon the requirements of Pr				
Siting Criteria Compliance Demonstrations - based upon t				
Climatological Factors Assessment				
Certified Engineering Design Plans - based upon the appro	opriate requirements of 19.15.17.11 NMAC			
Dike Protection and Structural Integrity Design: based upo	on the appropriate requirements of 19.15.17.11 NMAC			
Leak Detection Design - based upon the appropriate requir	rements of 19.15.17.11 NMAC			
	d upon the appropriate requirements of 19.15.17.11 NMAC			
Quality Control/Quality Assurance Construction and Insta				
Operating and Maintenance Plan - based upon the appropr				
Freeboard and Overtopping Prevention Plan - based upon				
Nuisance or Hazardous Odors, including H2S, Prevention	Plan			
Emergency Response Plan				
Oil Field Waste Stream Characterization				
Monitoring and Inspection Plan Erosion Control Plan				
	f Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC			
Cooste Final Consection de appropriate requirements of	Subsection 6 of 17.33.117 (finite talks 17.13.11.11)			
Proposed Closure: 19.15.17.13 NMAC				
Instructions: Please complete the applicable boxes, Boxes 14 through	18, in regards to the proposed closure plan.			
Type: Drilling Workover Emergency Cavitation	P&A Permanent Pit X Below-grade Tank Closed-loop System			
Proposed Closure Method: X Waste Excavation and Removal	(Below-Grade Tank)			
Waste Removal (Closed-loop syste				
On-site Closure Method (only for	temporary pits and closed-loop systems)			
In-place Burial	On-site Trench			
Alternative Closure Method (Exce	eptions must be submitted to the Santa Fe Environmental Bureau for consideration)			
15				
	5.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan.			
[X] Protocols and Procedures - based upon the appropriate requ				
	he appropriate requirements of Subsection F of 19.15.17.13 NMAC			
X Disposal Facility Name and Permit Number (for liquids, de				
X Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC				
X Re-vegetation Plan - based upon the appropriate requireme				
X Site Reclamation Plan - based upon the appropriate require				

Waste Removal Closure For Closed-loop Systems That Utilize Above Groun Instructions: Please identify the facility or facilities for the disposal of liquids, di	d Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC) rilling fluids and drill cuttings. Use attachment if more than two	favilities		
are required. Disposal Facility Name:	Disposal Facility Permit #			
Disposal Facility Name:	Disposal Facility Permit #:	Anna de la Constantina del Constantina de la Con		
Will any of the proposed closed-loop system operations and associated act Yes (If yes, please provide the information No		service and operations?		
Required for impacted areas which will not be used for future service and operations	tions:			
Soil Backfill and Cover Design Specification - based upon the app		AC		
Re-vegetation Plan - based upon the appropriate requirements of S				
Site Reclamation Plan - based upon the appropriate requirements of	of Subsection G of 19.15.17.13 NMAC			
17 Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 that Instructions: Each siting criteria requires a demonstration of compliance in the closure properties.)	plan. Recommendations of acceptable source material are provided bel			
certain siting criteria may require administrative approval from the appropriate district for consideration of approval. Justifications and/or demonstrations of equivalency are r		e Santa Fe Environmental Bureau office		
Ground water is less than 50 feet below the bottom of the buried waste.		Yes No		
- NM Office of the State Engineer - iWATERS database search; USGS: Dat	ta obtained from nearby wells	N/A		
Ground water is between 50 and 100 feet below the bottom of the buried	waste	□Yes □No		
- NM Office of the State Engineer - iWATERS database search; USGS; Data		N/A		
Ground water is more than 100 feet below the bottom of the buried waste.		Yes No		
- NM Office of the State Engineer - iWATERS database search; USGS; Data	a obtained from nearby wells	□N/A		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other s (measured from the ordinary high-water mark).	ignificant watercourse or lakebed, sinkhole, or playa lake	Yes No		
- Topographic map; Visual inspection (certification) of the proposed site				
Within 300 feet from a permanent residence, school, hospital, institution, or chur - Visual inspection (certification) of the proposed site; Aerial photo; satellite		Yes No		
		Yes No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that k purposes, or within 1000 horizontal fee of any other fresh water well or spring, in - NM Office of the State Engineer - iWATERS database; Visual inspection (c	n existence at the time of the initial application.			
Within incorporated municipal boundaries or within a defined municipal fresh was pursuant to NMSA 1978, Section 3-27-3, as amended.		Yes No		
Written confirmation or verification from the municipality; Written approve	al obtained from the municipality			
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Visua	al inspection (certification) of the proposed site	LIYes LINO		
Within the area overlying a subsurface mine.	and the second s	☐Yes ☐No		
- Written confiramtion or verification or map from the NM EMNRD-Mining	and Mineral Division			
Within an unstable area.		Yes No		
- Engineering measures incorporated into the design; NM Bureau of Geology	& Mineral Resources; USGS; NM Geological Society;			
Topographic map Within a 100-year floodplain.		☐Yes ☐No		
- FEMA map				
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: E by a check mark in the box, that the documents are attached.	Each of the following items must bee attached to the closur	re plan. Please indicate,		
Siting Criteria Compliance Demonstrations - based upon the appro	priate requirements of 19.15.17.10 NMAC			
Proof of Surface Owner Notice - based upon the appropriate requir	rements of Subsection F of 19.15.17.13 NMAC			
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC				
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC				
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC				
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC				
Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC				
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)				
Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC				
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC				
i i sue reciamation rian - based upon the appropriate requirements of	1 Subsection G of 19.13.17.13 NMAC			

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Operator Application Contifications	
Operator Application Certification: I hereby certify that the information submitted with this application is true.	te pecurate and complete to the heat of multipopulates and holief
Name (Print): Crystal Tafoya	Title: Regulatory Technician
Signature: Ulplu date	Date: 12/22/2008
e-mail address: crystal tafova@conocophillips.com	Telephone: 505-326-9837
20	
OCD Approval: Permit Application (including closure plan)	Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature:	Approval Date: 12/03/14
7/1	Approval Date: 72/03/19
Title: Environmental Engineer	OCD Permit Number:
21	
Closure Report (required within 60 days of closure completion	
	prior to implementing any closure activities and submitting the closure report. The closure mpletion of the closure activities. Please do not complete this section of the form until an
approved closure plan has been obtained and the closure activities have	
approved crossic planting been obtained and the crossic destribes that	
	Closure Completion Date:
22	
Closure Method:	
Waste Excavation and Removal On-site Closure Meth	hod Alternative Closure Method Waste Removal (Closed-loop systems only)
If different from approved plan, please explain.	
23	THE STATE OF THE S
	Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: ds, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities
were utilized.	is, artuing fiduis and artic cuitings were disposed. Use disacriment if more than two faculties
Disposal Facility Name:	Disposal Facility Permit Number:
Disposal Facility Name:	Disposal Facility Permit Number:
	ormed on or in areas that will not be used for future service and opeartions?
Yes (If yes, please demonstrate compliane to the items below)	No
Required for impacted areas which will not be used for future service Site Reclamation (Photo Documentation)	and operations:
Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	
Re-vegetation Application Rates and Securing Technique	
Classes Barret Attackment Charlette V. et al. 2011	
Closure Report Attachment Checklist: Instructions: Each of the box, that the documents are attached.	he following items must be attached to the closure report. Please indicate, by a check mark in
Proof of Closure Notice (surface owner and division)	
Proof of Deed Notice (required for on-site closure)	
Plot Plan (for on-site closures and temporary pits)	
Confirmation Sampling Analytical Results (if applicable)	
Waste Material Sampling Analytical Results (if applicable)	
Disposal Facility Name and Permit Number	
Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	
Site Reclamation (Photo Documentation)	
On-site Closure Location: Latitude:	Longitude: NAD 1927 1983
	IVAD 1727 1763
25 Operator Closure Certification:	
	closure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that
t nereby certify that the information and attachments submitted with this c the closure complies with all applicable closure requirements and conditi	ons specified in the approved closure plan
	on apolyton at the approved closure plans
Name (Print):	Title:
Signature	Deter
Signature:	Date:
e-mail address:	Telephone:
	1

ConocoPhillips Company San Juan Basin Below Grade Tank Closure Plan

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of Below Grade Tanks (BGTs) on ConocoPhillips Company locations hereinafter known as COPC locations. This is COPC's standard procedure for all BGTs. A separate plan will be submitted for any BGT which does not conform to this plan.

General Requirements:

- 1. COPC shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tank's operation., or c) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, COPC will file the C144 Closure Report as required.
- 2. COPC shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. COPC will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- If there is any on-site equipment associated with a below-grade tank, then COPC shall remove the equipment, unless the equipment is required for some other purpose.
- 5. COPC shall test the soils beneath the below-grade tank to determine whether a release has occurred. COPC shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. COPC shall notify the division of its results on form C-141.

- 6. If COPC or the division determines that a release has occurred, then COPC shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.
- 7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then COPC shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.
- 8. Notice of Ciosure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
 - i. Operator's name
 - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.
- The surface owner shall be notified of COPC's closing of the below-grade tank prior to closure as per the approved closure plan via certified mail, return receipt requested.
- 10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 11. COPC shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally jurisdicted lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. Vegetative cover will equal 70% of the native perennial vegetative cover (unimpacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs.
- 12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the belowgrade tank. Closure report will be filed on C-144 and incorporate the following:
 - Soil Backfilling and Cover Installation
 - Re-vegetation application rates and seeding techniques
 - Photo documentation of the site reclamation
 - Confirmation Sampling Results
 - Proof of closure notice